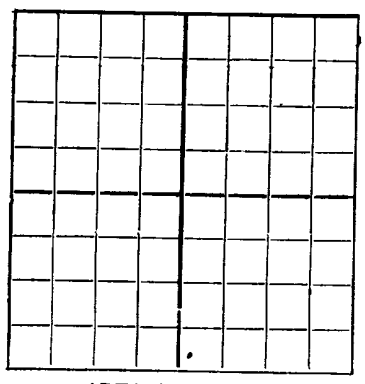
DUPLICATE

FORM C-105

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or to its district agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

The Ohio Oil Company (Company or Operator) L. G. Warlick "C" (Lease)

Well No. 7 in SW/4,SE/4 of Sec. 15, T. 21S

R. 37E, N. M. P. M., Hare Field, Lea County.

Well is 4875 feet south of the North line and 2310 feet west of the East line of Sec. 15-21-37

If State land the oil and gas lease is No. _____ Assignement No. _____

If patented land the owner is L. G. Warlick et al, Address Eunice, New Mexico

If Government land the permittee is _____, Address _____

The Lessee is The Ohio Oil Company, Address Hobbs, New Mexico

Drilling commenced February 13, 1951. Drilling was completed April 5, 1951

Name of drilling contractor Two States Drilling Co., Address Dallas, Texas

Elevation above sea level at top of casing 3428 feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
13-3/8	48	8 R	Smls	291' 8"					
8-5/8	32	8 R	Smls	2811' 9"	Baker				
5-1/2	17	8 R	Smls	7693' 1"			7430	7640	production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½	13-3/8	305	300	HOWCO		
11	8-5/8	2802	1300	"		
7-7/8	5-1/2	7688	1000	"		
	2-3/8	7666	torpedoed and			

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 21 ft. Depth Set 7669

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment Well flowed 138.24 bbls. in 24 hrs. thru 15/64" choke

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from surface feet to T.D. 7690 feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing April 16, 1951

The production of the first 24 hours was 138.24 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be 44.9 @ 60

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ GOR 960:1

EMPLOYEES

C. H. Huff, Driller J. H. Morris, Driller

J. D. Gibson, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 25 day of April, 19 51

E. Dom. Dellan
Notary Public

My Commission expires My Commission Expires August 19, 1951

Hobbs, New Mexico (Place) April 25, 1951 (Date)

Name J. B. Reese

Position Assistant Superintendent

Representing The Ohio Oil Company (Company or Operator.)

Address P. O. Box 1607, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1221	1221	Surface Sand, Caliche, Red Beds.
1221	1485	264	Anhydrite.
1485	2471	986	Salt.
2471	6642	4171	Anhydrite, Dolomite and Shale.
6642	7446	804	Dolomite and Lime.
7446	7685	239	Sand
7685	7690	5	Lime

DEVIATION SURVEY

Depth Taken	Degrees off Vertical
650	1/4
850	1/4
1520	1-1/2
1750	3/4
2549	1
3125	1/4
3755	1
4000	1/2
4528	1/4
4700	1/4
5265	1-1/4
5475	1-3/4
5795	2
6100	1-3/4
6488	2
6843	1-1/4
7150	2
7319	1-1/2
7550	1-3/4
7645	1-3/4

L. G. Warlick "C" Well No. 7 - Hare Pool

Core #1, coring in Lime and Shale, from 7400' to 7414', cored 14'. Recovered 11' in 11½ hrs.(2½')hard black shale 7400' - 7402½';(1')hard dark green shale 7402½' - 03½'; (7')hard dense grey limestone, 7403½' - 10½';(1/2')soft earthy limestone 7410½' -(11') all barren no shows.

Core #2, from 7414' - 7463', cored 49' in 29 hrs. 57 min. Recovered 49'. 7414' - 17' (3') shaly detrital limestone; 7417' - 24' (7') hard brown limy shale; 7424' - 26½' (2½') shaly detrital limestone; 7426½' - 31½' (5') hard limy green & brown shale; 7431½' - 34' (2½') shaly grey limestone; 7434' - 40' (6') sandy grey and green shale; 7440' - 44' (4') very fine limy sand, good odor & good oil stain; 7444' - 51½' (7½') hard limy green shale, no shows; 7451½' - 63' (11½') very fine limy sand, goododor and good oil stain.

Core #3, from 7464' to 7487', cored 23'. Recovered 13'. 7464' -67' (3') fine sand good odor, good oil stain slightly bleeding oil; 7467' - 7469' (2') hard green shale; 7469' - 7471' (2') very fine shale light green sand fair odor good oil stain; 7471' - 7473' (2') hard green shale. 7473' - 7476' (3') very gummy soft green shale. 7476' - 7477' (1') hard dense limy sand no odor no stain. 7477' - 7487 no recovery lost core.

Core #4, 7487' to 7511' cored 24' in 16 hrs. 22 min. Recovered 15'. 7487' - 88½' (1½') sand w/shale partings; 7488½' - 91½' shale barren; 7491' - 92½'(1½') sand barren. 7492½' - 93' (½') shalebarren. 7493' - 7502' (9') sand & sandy shalebarren, slight orod in bottom 6". 7502' - 7511' (9') not recovered.

Core #5 coring in McKee Sand from 7512' - 7539'. Cored 27' in 15 hrs. 10 min. Recovered 9'. 7512' - 7518-3/4' (6-3/4') hard green shale. 7518-3/4' - 7520-3/4' (2') soft gummy green shale. 7520-3/4' - 7521' (1/4') hard light green sand.

Core #6, coring in Simpson formation from 7539' to 7557'. Cored 18' in 16 hrs. tkx 55 min. Recovered 18'. 7539' - 7551' (12') very hard green shale. 7551' - 7554½' (3½') very shaly fine grey green sand apparently barren. 7554½' - 7557'(2½') sandy hard green shale apparently barren.

Core #7, coring in Simpson formation from 7559' to 7571' cored 12' in 6 hrs. 33 min. Recovered 12'. 7559' - 7564' (5') hard shaly sand slight odor. 7564' - 7568-3/4' (4-3/4')hard green shale. 7568-3/4' - 7570-3/4' (2') soft gummy green shale. 7570-3/4' - 7571' (1/4') hard dark grey shaly lime.

Core #8, coring in Simpson from 7572' to 7577'. Cored 5' recovered 5'. 7572' - 7575' (3') hard very sandy dark grey. 7575' - 7577' (2') soft gummy green shale.

Core #9, coring from 7598' to 7615'. Cored 17' in 11½ hrs. Recovered 12'. 7598' - 7601' (3') hard grey sand good odor good oil stain. 7601' - 7606' (5') hard green shale. 7606' - 7608' (2') very hard green shale;. 7608' - 7610' (2') soft gummy green shale.

Core #10, coring in Simpson from 7615' to 7625'. Cored 10' in 8 hrs. 45 min. Recovered 10'. 7615' 7618½' (3½') hard green shale. 7618½' - 7620½' (2') very hard tight sand, good odor good stain. 7620½' - 7625' (4½') hard tight sand very good stain slightly bleeding oil & gas.

L. G. Warlick "C" Well No. 7 - Hare Pool

Core #11, coring from 7625' to 7631'. Cored 6' recovered 6' medium grain hard grey sand very good odor good stain.

Core #12, coring from 7631' to 7642', cored 11'. Recovered 11'. 7631' - 7632' (1') clean grey sand very good odor. 7632' - 7634½' (2½') sandy green shale fair odor slight oil stain. 7634½' - 7642' (7½') clean grey sand very good odor good oil stain.

Core #13, coring from 7642' to 7647', cored 5'. Recovered 4½'. 7642' - 7644½' (2½') medium to coarse hard grey sand very good odor good stain good fluorescence. 7644½' 7646½' fine grain hard grey sand slight orod good stain.

DST #1 testing from 7402' to 7572', tool open 4 hrs. 20 min. 5/8" BHC and 1" top choke. Recovered 1000' water blanket plus 5300' oil.

DST #2 testing from 7572' to 7650', packer failed to hold, no test.

DST #3 testing from 7559' to 7650' packer failed to hold, no test.

DST #4 testing from 7593' to 7650' tool open 5 hrs. 20 min. Gas to surface in 70 min. no fluid to surface. Recovered 1000' water blanket plus 5200' of clean oil. Flwg. pressure 1625#, 10 min. shut in 2450#, hydrostatic press. 3850#.